

REMOTE CONTROL SYSTEM FOR A VEHICLE

Abstract

Method and arrangement for providing a remote control system for a vehicle (1) including a primary heading sensor (14) fixedly attached to the vehicle (1). The primary heading sensor (14) is adapted to detect a reference heading (N). A remote control unit (15) having a steering input manipulator (16) that is either portable by a user or rotationally attached to the vehicle (1) relative to a main axis (4) of the vehicle (1). The remote control unit (1) is adapted to communicate steering input data to a steering computer (12) that is programmed to process the steering input data into steering commands and to communicate the steering commands to a steering mechanism (9) of the vehicle (1). The remote control unit (1) has a secondary heading sensor that is synchronized with the primary heading sensor (14) with respect to the reference heading. The steering input data includes information of an active position of the steering input manipulator (16) relative to the reference heading (N) and the active position of the steering input manipulator (16) determines the desired direction of travel of the vehicle (1) regardless of the orientation of the remote control unit (15) relative to the main axis (4) of the vehicle (1).